

# Installing Super Natural

This chapter describes how to install Super Natural (language-dependent and language-independent Natural objects).

This section covers the following topics:

- Prerequisites
  - Installation Jobs
  - Using System Maintenance Aid
  - Personal Database
  - Contents of the Distribution Tape
  - Installation Procedure
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## Prerequisites

### For Installation

The following software must be installed and running at your site before you install Super Natural Version 3.3.1:

- Adabas Version 6.2 or above
- Natural Version 3.1 or above

### For Certain Transaction Modes

The following table lists the requirements which must be fulfilled in order to use certain Super Natural transaction modes:

Transaction Mode	Requirement
Destination PRINTER	Natural Advanced Facilities Version 2.3 or above or Com-Plete Version 5.1 or above must be available at your installation.
Destination WORK FILE	Depends on your system environment.
Destination PC	Entire Connection Version 3.1 or above must be available at your installation.
Destination or Report Type Con-Nect	Con-Nect Version 3.2.3 must be available at your installation.

## Installation Jobs

The installation of Software AG products is performed by installation jobs. These jobs are either created manually or generated by System Maintenance Aid (SMA).

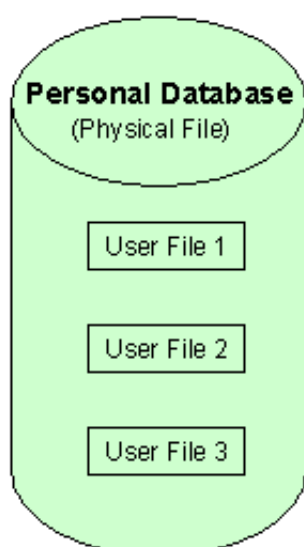
For each step of the installation procedure described below, the job number of a job performing the corresponding task is indicated. This job number refers to an installation job generated by SMA. If you are not using SMA, an example installation job of the same number is provided in the job library on the Natural installation tape; you must adapt this example job to your requirements.

## Using System Maintenance Aid

For information on using the Software AG product System Maintenance Aid, see *The System Maintenance Aid documentation*.

## Personal Database

The Super Natural personal database is the physical Adabas file that accommodates Super Natural user files as shown in the following diagram:



## Contents of the Distribution Tape

Super Natural is distributed as either a Special Purpose Tape or a System Maintenance Tape. The same dataset names are used for both tape types, whereas volume serial numbers and the position of the dataset on the tape may vary.

All references in this document are made to dataset names, and are thus applicable to both types of tape.

For a detailed description of the distribution tape, see The Report of Tape Creation which accompanies the tape.

### Dataset Names

Dataset names on Super Natural distribution tapes are made up of three parts. The following is an example of a dataset name:

NSNxxx . INPL

A Software AG product abbreviation forms the first part of the dataset name. Each dataset name contains one of the following:

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NSN for Super Natural

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NZy for Super Natural Language Module, where y is replaced by the language code letter of the language you want to install.

The second part of the name, represented by three 'x's, is substituted by the version, release and system maintenance level number of the software on your tape.

The third part of the name (the four letters after the period) denotes the type of dataset. For example, INPL denotes a library of Natural modules.

### List of Datasets

The distribution tape contains the following datasets as standard labelled files.

#### **NSNxxx.SYSF - Physical User File**

This data set contains the physical file description of the Super Natural physical user file in ADAULD format for use by the Personal Database.

#### **NSNxxx.INPL - Language-Independent Objects and Master DDM for Personal Database**

This data set contains Super Natural language-independent modules in INPL format for loading into the Natural system system file (FNAT). It also contains the master DDM for the Personal Database for loading into the Predict system file (FDIC).

#### **NZyxxx.INPL - Language-Dependent Objects for Super Natural**

This data set contains Super Natural language-dependent maps (source and object modules) and programs.

**NZyxxx.ERRN - Error Messages (Language-Dependent)**

This data set contains the Super Natural error message texts for loading into the Natural system file (FNAT).

**NZyxxx.HLPS - Help Texts (Language-Dependent)**

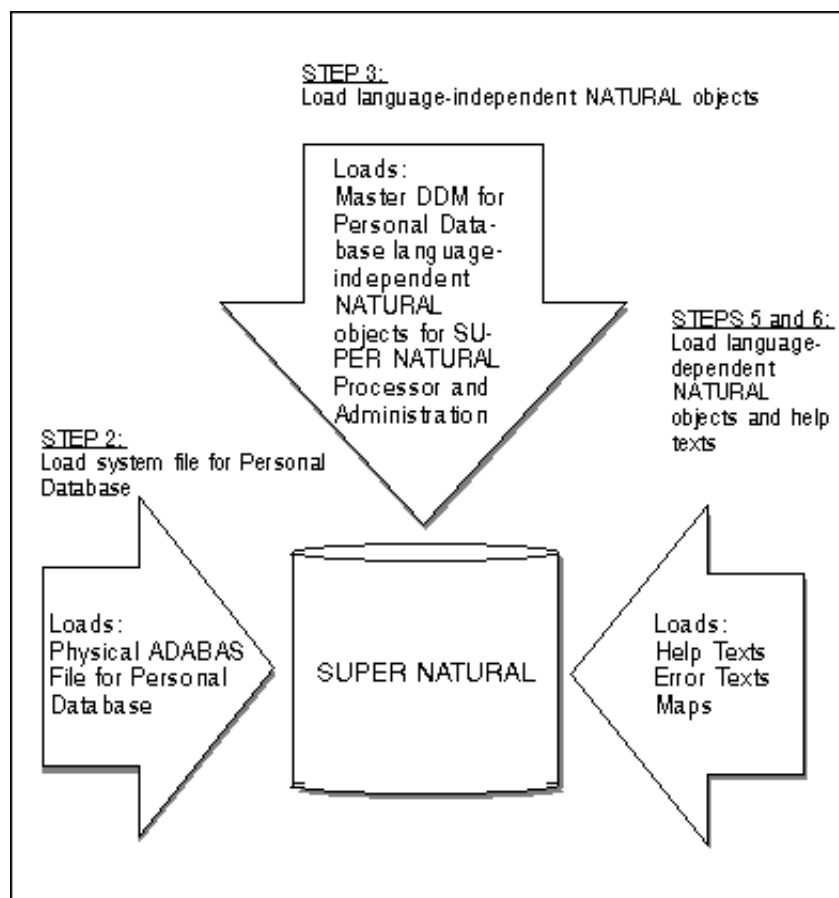
This data set contains Super Natural help texts in a form suitable for loading into the Natural user file (FUSER) by the batch Natural program SNLOAD (this program is included in data set NSNxxx.INPL).

**Documentation on CD > supernat > tuhtml > sample - Sample Application for the Tutorial**

Sample application for the Super Natural RPC service on Natural for Windows. Contains the sample client to load to Natural for Windows.

## Installation Procedure

1.  
Delete former Super Natural versions from the Natural system system file (FNAT)
2.  
Load system file for personal database: Job I050
3.  
Load language-independent Natural objects: Job I061
4.  
Define SYSSN to Natural Security
5.  
Load language-dependent objects: Job I061
6.  
Load language-dependent help texts: Job I200
7.  
Load the sample application



## Step 1: Delete former Super Natural Versions from the Natural system system file.

**Expection: Do not delete the following modules stored in the library SYSSN:**

Con-Nect Modules	Z-DOCVAR Z-VARSYM Z-110 Z-120 Z-210 Z-220
Natural Security Modules	NSSNSPFI NSSNSPFL NSSNSPUL
Predict Modules	PRDNSPED PRDNSPFA PRDNSPFI PRDNSPRL PRDNSPSF PRDNSPWF

## Step 2: Load system file for Personal Database: Job I050

### Step 0400 NSNxxx.SYSF

**Note:**

For SMA Users:

If you want to continue using your old system file, check that the NSN-FIRST-INSTALL parameter is set to NO.

For Non-SMA Users:

If you want to continue using your old system file, ignore this step.

Load the NSNxxx system file as delivered on the installation tape using the ADALOD utility. This file has been unloaded in Version 5 format.

The size of this file should be based on the size of your production environment. The following is a list of sample values:

```
DBID=7
NAME=FNSN
FILE=nnn
ISNREUSE=YES
NISIZE=200B
UISIZE=100B
DSSIZE=100B
MAXISN=1000
VERSION=5
USERISN=YES (Adabas version 5.2)
```

## Step 3: Load language-independent Natural objects (Job I061)

Job I061 performs the following SMA steps:

### Step 0400 NSNxxx.INPL (Assigned to Work File 1)

The INPL utility loads the programs (maps, subprograms etc.) for Super Natural processor, administration and personal database and the master DDM for personal database.

For the personal database master DDM, use the following input for CMSYNIN:

```
INPL B
```

Otherwise use the following input for CMSYNIN:

```
INPL L
```

The Super Natural modules are loaded into the library SYSSN on the Natural system system file (FNAT).

The following modules are loaded into the library SYSTEM on the Natural system system file (FNAT):

SNLIB	SNRTE	SNTEND	SNTENDE
SPEXTS	SP1140DP	SPPRWF	LOADGDA
SNLOAD	SRNWSI	SNSWISA	NRMPRFD
LAYGEDUM	LAYCHINA	NRM-INPL	NRM-INPI

When the INPL is completed, you receive two messages confirming that Super Natural and the Natural Report Manager profiles for Super Natural have been successfully installed. If these messages do not appear, Super Natural is not correctly installed.

## Step 4: Define SYSSN to Natural Security

For information on defining SYSSN to Natural Security, see your *Natural Security documentation*.

## Step 5: Load language-dependent objects: Job I061

Job I061 performs the following SMA steps where n is replaced by the language code number of the language you want to install:

### Step 04n1 NZyxxx.INPL(Assigned to Work File 1)

Loads the language-dependent Natural objects (programs and maps).

Users not using SMA can issue the following command for CMSYNIN:

```
INPL L
```

### Step 04n2 NZyxxx.ERRN (Assigned to Work File 2)

The ERRLODUS utility loads the Super Natural error messages into the Natural system file (FNAT).

Users not using SMA can issue the following commands, as in the following example:

```
LOGON SYSTEM
ERRLODUS
FIN
```

## Step 6: Load language-dependent help texts: Job I200

### Step 04n3 NZyxxx.HLPS(Assigned to Work File 4)

The program SNLOAD loads the Super Natural help texts into the Naturaluser system file (FUSER).

Users not using SMA can issue the following commands, as in the following example:

```
LOGON SYSSN
SNLOAD
FIN
```

## Step 7: Load the sample application

Load the sample application for Natural for Windows from the Documentation CD (Documentation CD > supernat > tuhtml > sample) to your Naturalfor Windows environmemnt.

The Super Natural RPC service objects, resulting from the tutorial samples 9, 10 and 11 are available on the librarySYSSN on theNatural system system file (FNAT):

RPCSMPL1	RPCSMPL2	RPCSMPL3
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The are intended to be compared with your own results if you proceed with the samples. You can copy the objects into the libraryNSNSAMPL on the Natural user system file (FUSER) to execute them with the sample application for Natural for Windows via RPC.

